AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application:

Please cancel claim 30 without prejudice or disclaimer.

Listing of Claims:

1. (Currently Amended) A method comprising:

in at least one network control mode of operation, determining in a mobile station if a cell to which the mobile station is currently assigned has a first type of broadcast control channel; and

if the cell does have the first type of broadcast control channel, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to a network for reporting on neighbour cells identified in a list received from the first type of broadcast control channel;

if the cell does not have the first type of broadcast control channel, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in a list received from a second type of broadcast control channel, where the type of list is one of implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message or is explicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

2. (Currently Amended) A method as in claim 1, where the list is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message by casting the message in a format of an earlier version of the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message that by default implies the type of list.

3. (Currently Amended) A method as in claim 2, where the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message is sent in a <u>general packet radio service release 1997</u>

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~~GPRS Release 1997~~ format that implies a <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~ from a broadcast control channel ~~(BCCH)~~.

4. (Currently Amended) A method as in claim 1, where the list is explicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message by a field of the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

5. (Currently Amended) A method as in claim 4, where the field is a one bit field for specifying that the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ is based on a <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~ or on a <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list from a <u>broadcast control channel</u> ~~Broadcast Control Channel (BCCH)~~.

6. (Currently Amended) A method as in claim 5, where the one bit field is added to the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message only if the first type of broadcast control channel is not present in the cell.

7. (Currently Amended) A method as in claim 1, where the first type of broadcast control channel is a packet broadcast control channel ~~(PBCCH)~~, and where the one bit field is added to the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message only if the <u>packet broadcast control channel</u> ~~PBCCH~~ is not present in the cell.

8. (Original) A method as in claim 1, comprising a computer program product embodied on a tangible computer-readable medium and having program instructions for causing a computer to execute the method.

9. (Currently Amended) A computer-readable medium embodied with program instructions comprising:

computer instructions, responsive to a mobile station ~~(MS)~~ being in a network control mode of operation where it reports cell measurement results to a network, for determining if a cell to which the mobile station is currently assigned has a <u>packet broadcast control channel</u> ~~PBCCH~~; and

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computer instructions, responsive to a determination that the cell does have the <u>packet broadcast control channel</u> ~~PBCCH~~, for sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in a <u>global system for mobile communications</u> ~~GSM Neighbour Cell~~ <u>neighbour cell</u> list received from the <u>packet broadcast control channel</u> ~~PBCCH~~, and to a determination that the cell does not have the <u>packet broadcast control channel</u> ~~PBCCH~~, for sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells first identified in a <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~, before the <u>mobile station</u> ~~MS~~ has acquired the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list from a <u>broadcast control channel</u> ~~BCCH~~, and after the <u>mobile station</u> ~~MS~~ has acquired the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list from the <u>broadcast control channel</u> ~~BCCH~~, the neighbor cells identified in the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list, where the type of list in use by the <u>mobile station</u> ~~MS~~ is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

10. (Currently Amended) A computer-readable medium as in claim 9, where the list is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message by sending the message in a format compatible with an earlier version of the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message that by default implies the use of the <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~.

11. (Currently Amended) A computer-readable medium as in claim 9, where the list is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message by the <u>mobile station's</u> ~~MS's~~ sending the message to not include a <u>release</u> ~~Release~~ 99 extension ~~('additions in Release 99')~~.

12. (Currently Amended) A computer-readable medium as in claim 11, where the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message is sent in a <u>general packet radio service release 1997</u> ~~GPRS Release 1997~~ format.

13. (Currently Amended) A computer-readable medium embodied with program instructions comprising:

computer instructions, responsive to a mobile station (MS) being in a network control mode of operation where it reports cell measurement results to the network, for determining if a cell to which the mobile station is currently assigned has a packet broadcast control channel PBCCH; and

computer instructions, responsive to a determination that the cell does have the packet broadcast control channel PBCCH, for sending a packet measurement report PACKET MEASUREMENT REPORT message to a network for reporting on neighbour cells identified in a global system for mobile communications GSM neighbour cell list received from the packet broadcast control channel PBCCH, and to a determination that the cell does not have the packet broadcast control channel PBCCH, for sending a packet measurement report PACKET MEASUREMENT REPORT message to the network for reporting on neighbour cells identified in list that is specified explicitly in the packet measurement report PACKET MEASUREMENT REPORT message.

14. (Currently Amended) A computer-readable medium as in claim 13, where the list is explicitly specified by the packet measurement report PACKET MEASUREMENT REPORT message by a field of the packet measurement report PACKET MEASUREMENT REPORT message.

15. (Currently Amended) A computer-readable medium as in claim 14, where the field is a one bit field for specifying that the packet measurement report PACKET MEASUREMENT REPORT is based on a broadcast control channel allocation general packet radio service BA(GPRS) or on a global system for mobile communications GSM neighbour cell list received from a broadcast control channel Broadcast Control Channel (BCCH).

16. (Currently Amended) A computer-readable medium as in claim 15, where the one bit field is added to the packet measurement report PACKET MEASUREMENT REPORT message only if the packet broadcast control channel PBCCH is not present in the cell.

17. (Currently Amended) An apparatus comprising:

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a radio frequency transceiver; and

a controller that operates in at least one network control mode of operation to determine if a cell to which the apparatus is currently assigned has a <u>packet broadcast control channel</u> ~~PBCCH~~ and, if the cell does have the <u>packet broadcast control channel</u> ~~PBCCH~~, operates further to send a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to a network for reporting on neighbour cells identified in a <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list received from the <u>packet broadcast control channel</u> ~~PBCCH~~; said controller being responsive to a condition where the cell does not have the <u>packet broadcast control channel</u> ~~PBCCH~~ to determine if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has been received through the transceiver from a <u>broadcast control channel</u> ~~BCCH~~ and, if it has, to send a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list received from the <u>broadcast control channel</u> ~~BCCH~~, while indicating the list that was used either implicitly or explicitly; or if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has not been received, said controller sends a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in a <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~ received from the <u>broadcast control channel</u> ~~BCCH~~, while indicating the list that was used either implicitly or explicitly.

18. (Previously Presented) An apparatus as in claim 17, where the network control mode is NC2.

19. (Previously Presented) An apparatus as in claim 17, where the network control mode is NC1.

20. (Currently Amended) An apparatus as in claim 17, where the list is explicitly signaled by the state of a NC_MEAS_LIST_TYPE bit in the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

21. (Currently Amended) A method comprising:

in at least one network control mode of operation, determining in a mobile station if a cell to which the mobile station is currently assigned has a first type of broadcast control channel; and

if the cell does have the first type of broadcast control channel, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to a network for reporting on neighbour cells identified in a list received from the first type of broadcast control channel;

if the cell does not have the first type of broadcast control channel, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in a list received from a second type of broadcast control channel, where the type of list is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

22. (Currently Amended) A method as in claim 21, where the list is implicitly specified by the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message by casting the message in a format of an earlier version of the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message that by default implies the type of list.

23. (Currently Amended) A method as in claim 22, where the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message is sent in a <u>general packet radio service release 1997</u> ~~GPRS Release 1997~~ format that implies a <u>broadcast control channel allocation general packet radio service</u> ~~BA(GPRS)~~ from a <u>broadcast control channel</u> ~~Broadcast Control Channel (BCCH)~~.

24. (Currently Amended) A method as in claim 21, where the first type of broadcast control channel is a packet broadcast control channel ~~(PBCCH)~~, and where <u>a</u> ~~the~~ one bit field is added to the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message only if the <u>packet broadcast control channel</u> ~~PBCCH~~ is not present in the cell.

25. (Previously Presented) A method as in claim 21, comprising a computer program product embodied on a tangible computer-readable medium and having program instructions for causing a computer to execute the method.

26. (Currently Amended) A method comprising:

determining if a cell to which a mobile station ~~(MS)~~ is currently assigned has a packet broadcast control channel ~~(PBCCH)~~ and, if the cell does have the <u>packet broadcast control channel</u> ~~PBCCH~~, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to a network for reporting on neighbour cells identified in a <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list received from the <u>packet broadcast control channel</u> ~~PBCCH~~;

while if the cell does not have the <u>packet broadcast control channel</u> ~~PBCCH~~, determining if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has been received through the transceiver from a broadcast control channel ~~(BCCH)~~ and, if it has, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list received from the <u>broadcast control channel</u> ~~BCCH~~; while if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has not yet been completely received through the transceiver from the broadcast control channel ~~(BCCH)~~, sending a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message to the network for reporting on neighbour cells identified in a <u>broadcast control channel allocation</u> ~~BCCH allocation (BA)~~ general packet radio system ~~(GPRS)~~ received from the <u>broadcast control channel</u> ~~BCCH~~.

27. (Currently Amended) A computer-readable medium embodied with program instructions comprising:

determining if a cell to which a mobile station ~~(MS)~~ is currently assigned has a packet broadcast control channel ~~(PBCCH)~~ and, if the cell does have the <u>packet broadcast control channel</u> ~~PBCCH~~, generating a <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message using a <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list received from the <u>packet broadcast control channel</u> ~~PBCCH~~;

if the cell does not have the <u>packet broadcast control channel</u> ~~PBCCH~~, determining if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has been acquired from a broadcast control channel ~~(BCCH)~~ and, if it has, using the acquired <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list for generating the <u>packet measurement report</u> ~~PACKET~~

~~MEASUREMENT REPORT~~ message; while if the <u>global system for mobile communications</u> ~~GSM~~ neighbour cell list has not been acquired from the broadcast control channel ~~(BCCH)~~, using a <u>broadcast control channel allocation</u> ~~BCCH allocation (BA)~~ general packet radio system ~~(GPRS)~~ received from the <u>broadcast control channel</u> ~~BCCH~~ for generating the <u>packet measurement report</u> ~~PACKET MEASUREMENT REPORT~~ message.

28. (Currently Amended) An apparatus as in claim 17, wherein the apparatus is a mobile station ~~(MS)~~.

29. (Previously Presented) A method comprising:

determining if a first type of broadcast control channel is present;

if it is determined that the first type of broadcast control channel is present, then sending a measurement report message based on a neighbor list associated with a first type of service;

if it is determined that the first type of broadcast control channel is not present, then determining if the neighbor list associated with the first type of service has been received;

if it determined that the neighbor list associated with the first type of service has been received, then sending the measurement report message based on the neighbor list associated with the first type of service; and

otherwise, sending the measurement report message based on a neighbor list associated with a second type of service.

30. (Canceled).

31. (Previously Presented) A method as in claim 29, wherein a type of the neighbor list is one of implicitly specified by the measurement report message or is explicitly specified by the measurement report message.

32. (New) An apparatus comprising:

a controller configured to operate in at least one network control mode of operation to determine if a cell to which the apparatus is currently assigned has a packet broadcast control

channel and, if the cell is determined by the controller to have the packet broadcast control channel, the controller is configured to send a packet measurement report message to a network for reporting on neighbour cells identified in a global system for mobile communications neighbour cell list received from the packet broadcast control channel; said controller being responsive to a condition where the cell is determined not to have the packet broadcast control channel by determining if the global system for mobile communications neighbour cell list has been received through the radio frequency transceiver from a broadcast control channel and, if the global system for mobile communications neighbour cell list has been determined to have been received, the controller is configured to send a packet measurement report message to the network for reporting on neighbour cells identified in the global system for mobile communications neighbour cell list received from the broadcast control channel; while if the global system for mobile communications neighbour cell list has not been received, said controller is configured to send a packet measurement report message to the network for reporting on neighbour cells identified in a broadcast control channel allocation general packet radio service received from the broadcast control channel.

33. (New) An apparatus as in claim 32, said controller is configured to send the packet measurement report message to the network for reporting on the neighbour cells identified in the broadcast control channel allocation general packet radio service received from the broadcast control channel while indicating the list that was used either implicitly or explicitly.

34. (New) An apparatus as in claim 32, the controller being configured to retrieve and store computer program instructions in a memory, wherein the computer program instructions, when executed by the controller, perform the controller operations of determining if the cell has a packet broadcast control channel and sending the packet measurement report message.

35. (New) An apparatus as in claim 32, the controller being configured to re-read and rebuild a global system for mobile communications neighbour cell list for a cell without a packet broadcast control channel if a broadcast control channel allocation indication parameter is changed.

36. (New) An apparatus as in claim 32, the controller being configured to interface with a wireless section for wireless communications.

37. (New) An apparatus as in claim 36, the wireless section comprising a radio frequency transceiver.

38. (New) An apparatus comprising:

a controller configured to operate in at least one network control mode of operation to determine if a first type of broadcast control channel is present; the controller configured to send a measurement report message based on a neighbor list associated with a first type of service if it is determined that the first type of broadcast control channel is present; the controller configured to determine if the neighbor list associated with the first type of service has been received if it is determined that the first type of broadcast control channel is not present; the controller being configured to send the measurement report message based on the neighbor list associated with the first type of service if it determined that the neighbor list associated with the first type of service has been received and otherwise being configured to send the measurement report message based on a neighbor list associated with a second type of service.

39. (New) An apparatus as in claim 38, where the neighbor list is implicitly specified by the measurement report message by casting the message in a format of an earlier version of the measurement report message that by default implies a type of neighbor list.

40. (New) An apparatus as in claim 38, where the list is explicitly specified by the measurement report message by a field of the measurement report message.

41. (New) An apparatus as in claim 40, where the field is a one bit field for specifying that the measurement report is based on a broadcast control channel allocation general packet radio service or on a global system for mobile communications neighbor cell list received from a broadcast control channel.